Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	11/03/2015 09:23 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/21/2015 09:33 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 51739, Expiration Date: 01/31/2016
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123278	-2	4.17	122912	4.10
Blue	F	SSC	125000	122344	-3	2.86	123120	2.55
Blue	E	FITC	17224	16755	-3	2.59	946	9.47
Blue	D	PE	22462	21964	-3	2.18	991	8.70
Blue	B	PerCP-Cy5-5	63940	62866	-2	2.84	1647	13.82
Blue	A	PE-Cy7	72480	71750	-2	3.93	937	25.94
Red	C	APC	63778	62979	-2	2.66	3542	8.05
Red	A	APC-Cy7	97254	95084	-3	2.72	1874	7.77
Violet	B	V450	10730	10195	-5	3.27	636	8.18
Violet	A	V500	42147	40955	-3	2.84	2312	5.75

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	18524	22.10	620	0	N/A	N/A	Pass
Blue	F	SSC	61113	1.67	526	-1	N/A	N/A	Pass
Blue	E	FITC	102	37.06	537	-2	0.0222	139	Pass
Blue	D	PE	204	25.27	530	-2	0.1472	111	Pass
Blue	B	PerCP-Cy5-5	198	42.48	613	-1	0.0103	36	Pass
Blue	A	PE-Cy7	68	108.05	672	-1	0.0138	19	Pass
Red	C	APC	329	26.25	583	-1	0.0219	27	Pass
Red	A	APC-Cy7	117	38.09	563	-2	0.0051	932	Pass
Violet	B	V450	67	44.16	471	-3	0.0447	2026	Pass
Violet	A	V500	151	22.48	501	-2	0.0136	228	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.64	47.70 - 71.54	N/A	N/A	-31.75	-31.65	0.72
Blue	20.47	16.35 - 24.53	1.26	1.00 - 1.50	0.00	0.00	1.16
Red	15.69	13.09 - 19.63	N/A	N/A	32.12	32.25	1.08

Window Extension: 7.00
FSC Area Scaling Factor: 0.83

Threshold

Threshold (FSC): 10488

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments